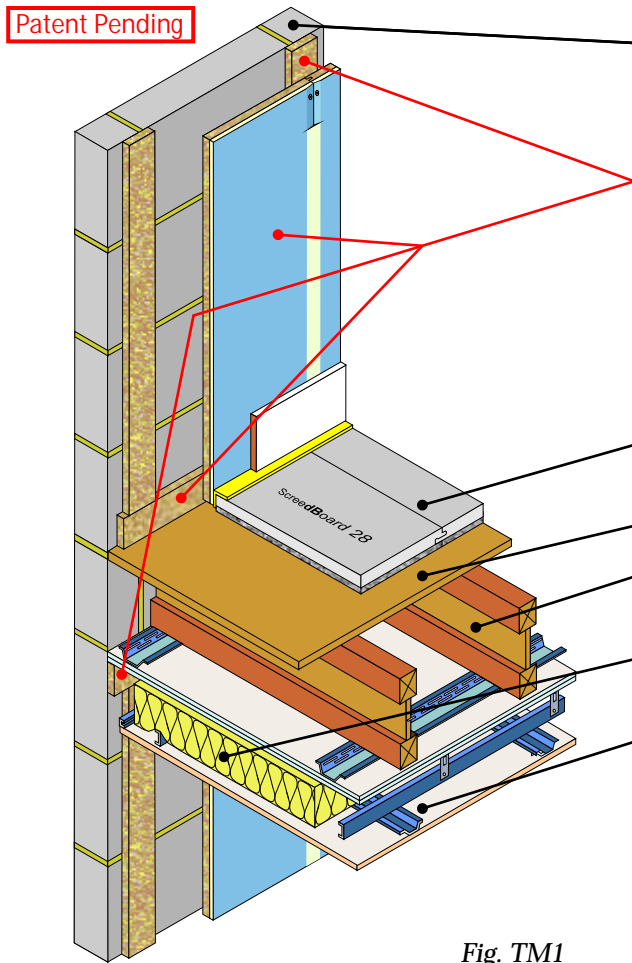


Masonry separating wall with timber separating floor PCT solution

Composite wall lining system
 Suitable for aircrete and aggregate block cavity walls
Collecta ScreedBoard 28 laid on timber sub-floor



Masonry wall (Inside skin)	<ul style="list-style-type: none"> • 100mm (min) aircrete block 600 - 800kg/m³ • 100mm (min) aggregate block 1350 - 2300kg/m³
Wall treatment	<p>FIBRE <i>fon</i> Baffle strips stuck horizontally at the head and base of the wall, and vertically at 600mm (max) centres</p> <p>FIBRE <i>fon</i> HiGYP 30TM fixed through the Baffle strips, to the wall with <i>Collecta</i> acoustic fixings</p>
Floor treatment	ScreedBoard 28 (See <i>Table TM1</i> for full details)
Floor decking	15mm thick (min) OSB
Joists	<ul style="list-style-type: none"> • 240mm (min) timber I-joists • 253mm (min) metal web joists
Absorbing material	100mm (min) quilt insulation (10-36kg/m ³) in ceiling cavity
Ceiling	See <i>Table TM1</i> for ceiling treatment

Fig. TM1



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 ARCHITECTURAL CAD DATABASES

Table TM1

PCT flanking wall, floating floor and ceiling treatment

ScreedBoard[®] 28
 High density composite resilient overlay treatment

YELOfon[®] FS50
 Performed flanking angle

FIBREfon[®] HiGYP 30TM
 High performance composite acoustic wall lining

FIBREfon[®] Baffle Strips
 High performance sound absorption strips

Additional layers required to complete treatment

- Mineral wool quilt placed in ceiling cavity
- 100mm (min) 10-33kg/m³

Product information
 ScreedBoard 28: 28mm x 600mm x 1200mm
 FS50: 50mm x 30mm x 2000m
 HiGYP 30TM: 30mm x 1200mm x 2400mm
 Thermal resistance: 0.51m²K/W
 Baffle Strips: 15mm x 75mm x 1200mm

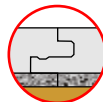
Typical PCT performance⁽⁴⁾

$D_{nT,w} + C_{tr} = 50dB$
 $L_{nT,w} = 50dB$

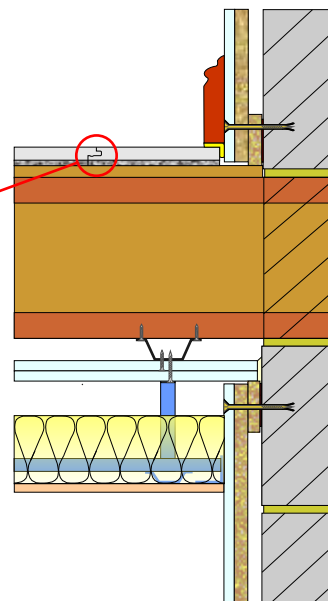
Code credits

Pol 1	Hea 2
1	3

No need for screws
 Interlocking edges glued together with *Collecta* SB joint adhesive



<5 GWP
 All components



Ceiling board fixings must not penetrate or touch the floor joists
 30mm *Collecta* HP Resilient bars resilient bars mounted at right angles to the joist at 600mm (max) centres.

Primary ceiling:
CT1-Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m²) fixed with 32mm screws and 12.5mm (nominal 10kg/m²) fixed with 42mm screws, with all joists staggered.

CT2-Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m²) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m²) fixed with 42mm screws, with all joists staggered.

Sacrificial ceiling:
 Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum-based board.

Construction notes
 Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Wall treatments **MUST** be isolated from the floating floor with YELOfon FS strip. Ensure services do not come into direct contact with the floor treatment.

Acoustic values
⁽⁴⁾ Values quoted are typical, based on the treatments being installed correctly and pre-completion tested.
 Airborne performance tested in accordance with BS EN ISO 140-4:1998
 Impact performance tested in accordance with BS EN ISO 140-7: 1998

Masonry flanking wall with timber separating floor

PCT solution

Composite wall lining system
 Suitable for aircrete and aggregate block cavity walls
Collecta ScreedBoard 28 laid on timber sub-floor

Patent Pending

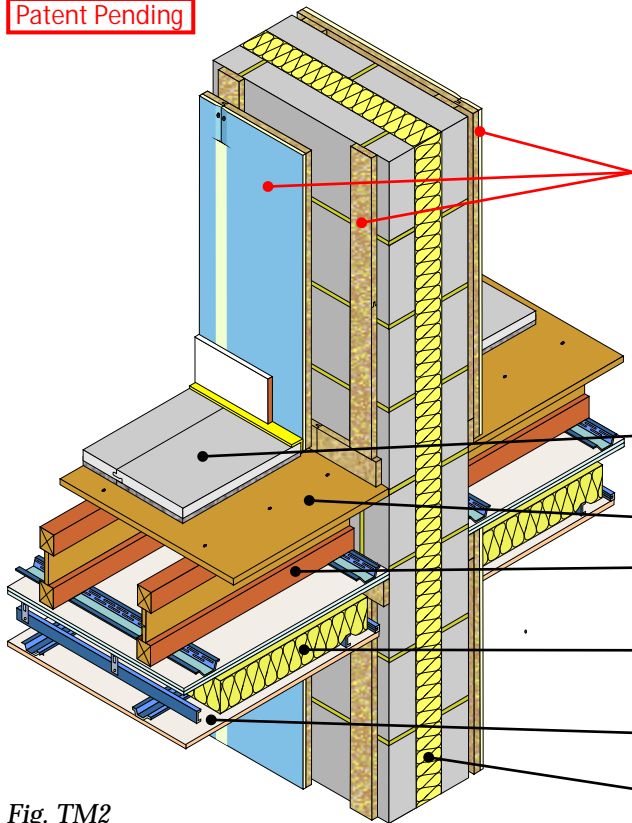


Fig. TM2

Masonry wall (Separating)	<ul style="list-style-type: none"> • 100mm (min) aircrete block 600 - 800kg/m³ • 100mm (min) aggregate block 1350 - 2300kg/m³
Wall treatment	<p>FIBRE <i>fon</i> Baffle strips stuck on both separating walls horizontally at the head and base, and vertically at 600mm (max) centres</p> <p>FIBRE <i>fon</i> HiGYP 30TM fixed through the Baffle strips, to the both walls with <i>Collecta</i> acoustic fixings</p>
Floor treatment	ScreedBoard 28 (See <i>Table TM2</i> for full details)
Floor decking	15mm thick (min) OSB
Joists	<ul style="list-style-type: none"> • 240mm (min) timber I-joists • 253mm (min) metal web joists
Absorbing material	100mm (min) quilt insulation (10-36g/m ³) in ceiling cavity
Ceiling	See <i>Table TM2</i> for ceiling treatment
Cavity insulation	75mm (min) full fill mineral wool to address thermal bypass effect (10-36kg/m ³)



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 ARCHITECTURAL CAD DATABASES

Table TM2

PCT separating wall, floating floor and ceiling treatment

ScreedBoard[®] 28
 High density composite resilient overlay treatment

YELOfon[®] FS50
 Performed flanking angle

FIBREfon[®] HiGYP 30TM
 High performance composite acoustic wall lining

FIBREfon[®] Baffle Strips
 High performance sound absorption strips

Additional layers required to complete treatment

- Mineral wool quilt placed in ceiling cavity - 100mm (min) 10-33kg/m³

Product information

ScreedBoard 28: 28mm x 600mm x 1200mm
 FS50: 50mm x 30mm x 2000m
 HiGYP 30TM: 30mm x 1200mm x 2400mm
 Thermal resistance: 0.51m²K/W
 Baffle Strips: 15mm x 75mm x 1200mm

Construction notes

Materials must be installed in accordance with manufacturers' instructions to achieve stated acoustic values. Wall treatments **MUST** be isolated from the floating floor with YELOfon FS strip. Ensure services do not come into direct contact with the floor treatment.

Acoustic values

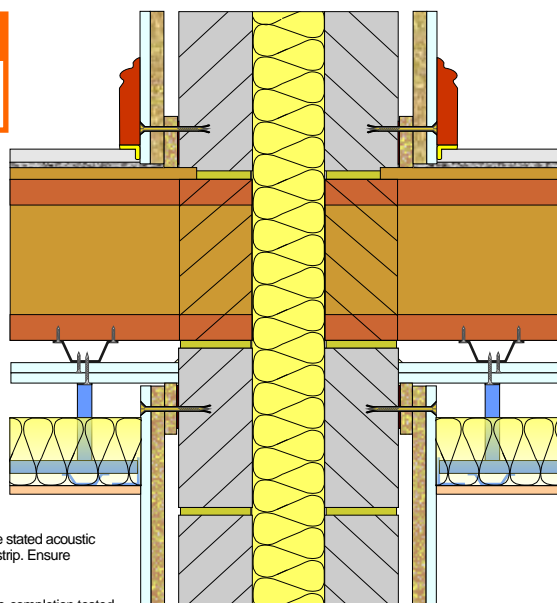
⁽¹⁾ Values quoted are typical, based on the treatments being installed correctly and pre-completion tested.
 Airborne performance tested in accordance with BS EN ISO 140-4:1998
 Impact performance tested in accordance with BS EN ISO 140-7: 1998

Typical PCT performance⁽¹⁾

$D_{nT,w} + C_{tr} = 50\text{dB}$
 $L_{nT,w} = 50\text{dB}$

Code credits

Pol 1	Hea 2
1	3



Ceiling board fixings must not penetrate or touch the floor joists
 30mm *Collecta* HP Resilient bars resilient bars mounted at right angles to the joist at 600mm (max) centres.

Primary ceiling:
CT1-Two layers of gypsum-based board, composed of 19mm (nominal 13.5kg/m²) fixed with 32mm screws and 12.5mm (nominal 10kg/m²) fixed with 42mm screws, with all joists staggered.

CT2-Two layers of gypsum-based board, composed of 15mm (nominal 12.5kg/m²) fixed with 25mm screws and a second layer of 15mm (nominal 12.5kg/m²) fixed with 42mm screws, with all joists staggered.

Sacrificial ceiling:
 Metal ceiling system with a 150mm (min) void fixed to underside of primary ceiling. One layer of nominal 8kg/m² gypsum-based board.